



# CALIFORNIA

## Agricultural Bulletin

**EDD** Employment  
Development  
Department  
State of California

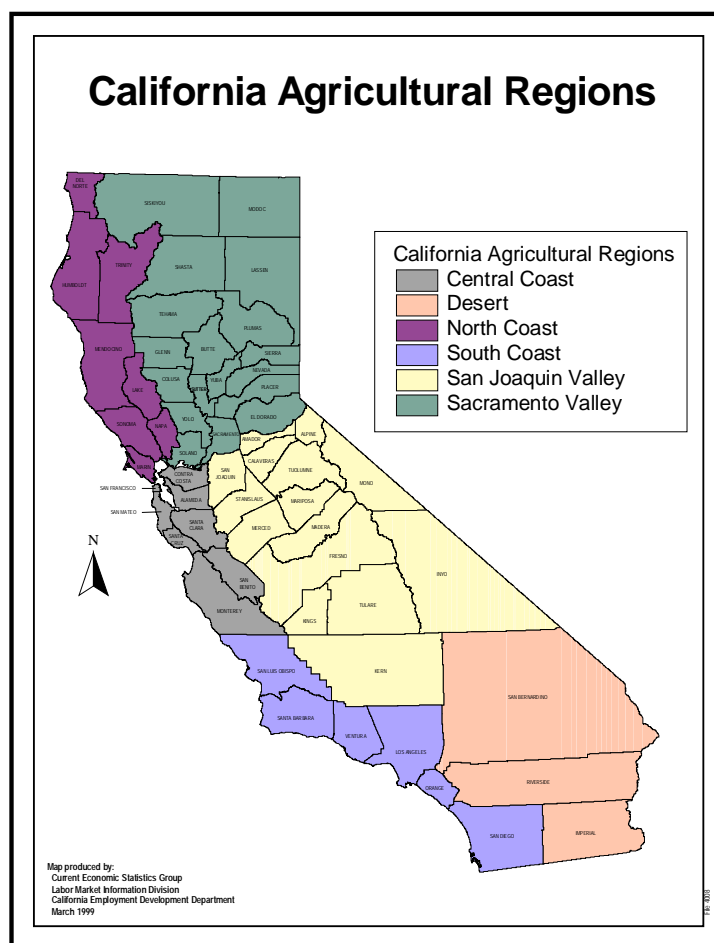
August 2001  
(Internet Version)

### Agricultural Overview

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This bulletin covers 27 agricultural industries in the State of California. The number of industries ranges from five to seventeen within each of the six geographic regions. The regions are the San Joaquin Valley, South Coast, Desert, Central Coast, Sacramento Valley, and North Coast (refer to map for details).



The data are organized into the following tables by state and region:

- Wage and Salary Workers
- Average Hourly Earnings

**LMID**  
Labor Market Information Division  
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## Summary

### Employment

California's total agricultural employment for August 2001 increased 9,100 jobs over the previous month for a gain of two percent. Total Agricultural Production increased 20,400 jobs from July 2001 to August 2001, a gain of eight percent. Agricultural Services decreased by 11,300 jobs, a loss of five percent. An increase in total agricultural employment for the month of August is normal. The change in California agricultural employment from July 2000 to August 2000 was an increase of 2,100 jobs.

Grape crops registered the largest gain for the month with an increase of 14,600 jobs. The second largest gain was registered in the Other Field Crops category with an increase of 8,200 jobs. The largest decrease was registered in Market Preparation Services with a loss of 5,600 jobs. General Farm Crops registered a loss of 5,300 jobs. Total agricultural employment increased six percent in the San Joaquin Valley Region, five percent in the North Coast Region, three percent in the Sacramento Valley Region, and two percent in the Central Coast Region. Agricultural employment decreased 11 percent in the Desert Region and seven percent in the South Coast Region.

### Production and Crop Activity

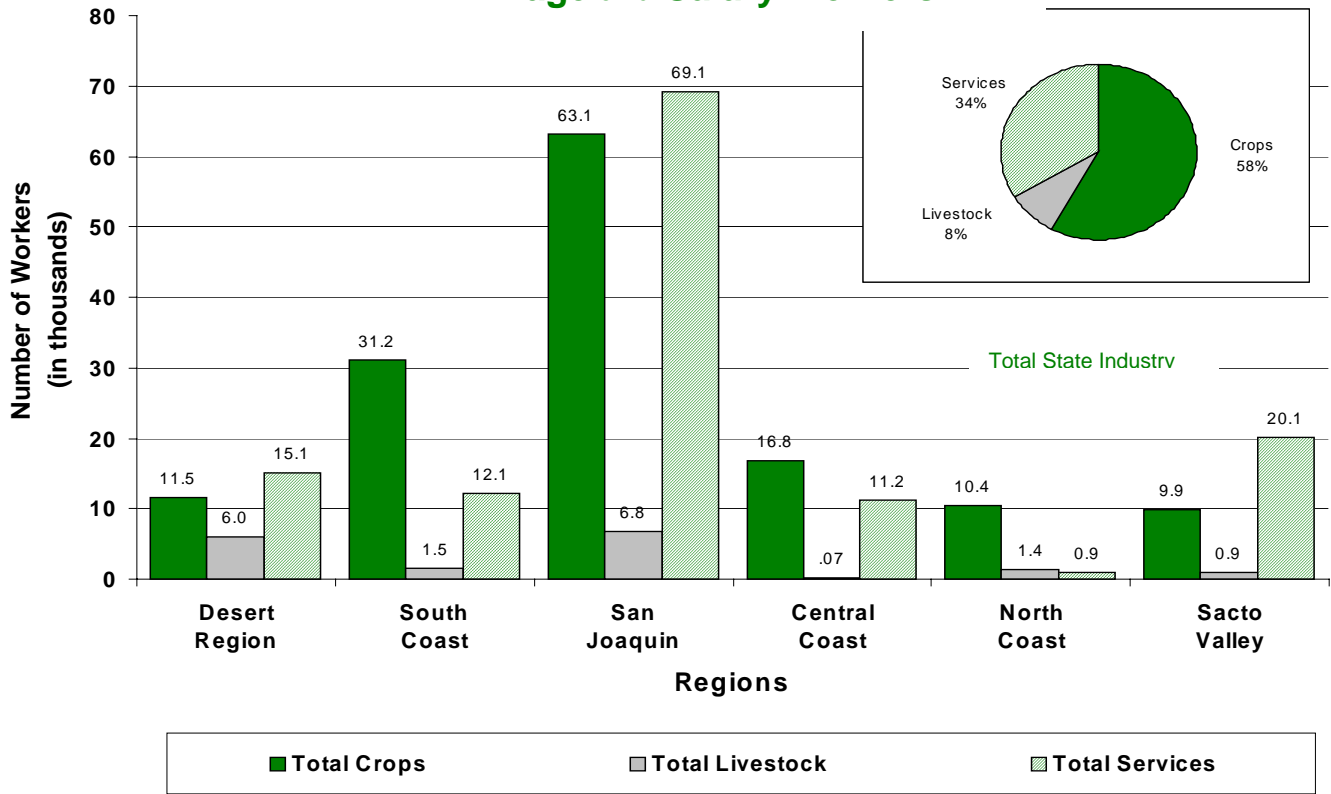
Cotton and corn growers were irrigating, cultivating, and treating fields to control insects. Crews weeded some cotton fields by hand. Cutting, windrowing, and baling of alfalfa hay continued. Alfalfa seed was harvested and some alfalfa seed growers treated fields for lygus and stinkbugs. Harvesting of small grains continued in some areas. Recently harvested fields were disced. Straw was baled and stacked in some fields. The harvesting of corn for grain began and silage corn continued to be cut at a rapid rate. Harvested fields were worked under, with some fields being pre-irrigated and fertilized. Some growers were planting new crops of silage corn. Seed corn, sugar beets, Sudan grass, Bermuda grass, and safflower were being harvested. The harvesting of garbanzo beans remained active. Winter wheat planting was underway in some areas. Rice fields were treated for a variety of pests including weevils, armyworms, stem rot, and weeds. The wild rice harvest was underway in some areas. The processing tomato harvest neared completion in the San Joaquin Valley. Lettuce growers prepared fields for planting. Broccoli and cauliflower was transplanted. Peppers, melons, and tomatoes were treated to control insects. Carrots were treated for root knot nematodes. The harvest of cantaloupes, honeydew melons, watermelons, and other specialty melons continued in full swing. Bell pepper, eggplant, and garlic harvesting was winding down. Other vegetables harvested during the month included broccoli, cabbage, carrots, cauliflower, celery, cilantro, cucumbers, green beans, freezer beans, green onions, lettuce, okra, white and yellow onions, parsley, hot peppers, spinach, squash, fresh market tomatoes, and sweet corn.

Cultural activities that included weed control, fungicide applications, and irrigation continued in orchards and vineyards. Harvesting of table grapes in the San Joaquin Valley continued. Wine grape harvesting also gained momentum. Raisin grapes were placed on trays in some areas, while growers in other areas prepared vineyards for harvest. Peach, nectarine, plum, and pluot picking remained active while prune and grapefruit harvesting continued in the San Joaquin Valley. Gala apples were picked and Bartlett pears were harvested in the Sacramento Delta. Olive orchards were treated for fruit flies. Valencia oranges were harvested in the southern coastal areas and lower San Joaquin Valley. Lemon picking was active in the South Coast Region. Nut growers irrigated trees and applied pesticides. Early variety almond harvest continued. Walnut and pistachio growers prepared orchards for harvest.

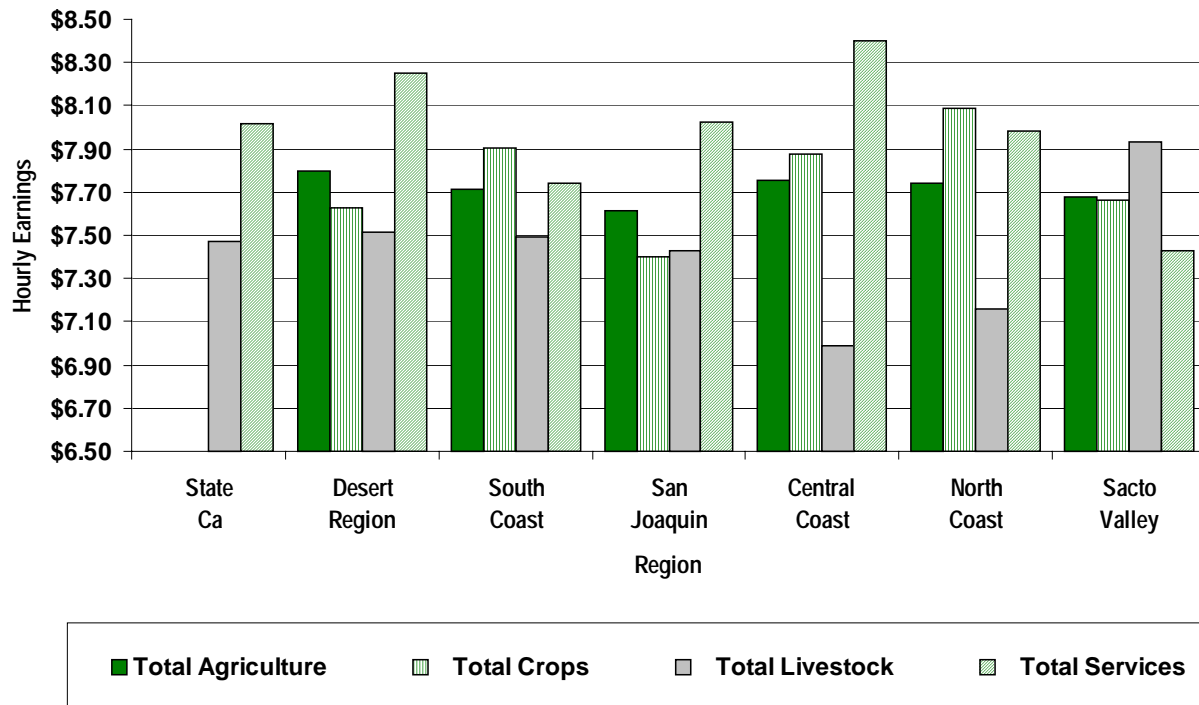
Cattle were moved from higher elevations to winter pastures. Some cattle on foothill pastures were being provided supplemental feed. Sheep were being grazed in harvested grain and melon fields in central California.

# Agricultural Summary Charts

## Wage and Salary Workers



## Average Hourly Earnings



# CALIFORNIA AGRICULTURAL EMPLOYMENT

Wage and Salary Workers  
(In Thousands)

Average Hourly Earnings  
(In dollars per hour)

Industry	Aug 2001	Jul 2001	Aug 2000
<b>Total Agriculture</b>	<b>475.7</b>	<b>466.6</b>	<b>476.3</b>
<b>Total Agricultural Production/Crops</b>	<b>233.9</b>	<b>220.5</b>	<b>230.9</b>
Cash Grains	2.8	3.6	2.4
Rice	1.4	2.3	1.4
Other Cash Grains	1.4	1.3	1.0
Field Crops Except Grains	26.4	18.8	11.9
Cotton	7.6	8.2	6.4
Other Field Crops	18.8	10.6	5.5
Vegetables and Melons	40.4	43.7	38.6
Total Fruits and Tree Nuts	104.3	87.0	109.6
Berries	17.9	16.3	17.0
Grapes	48.0	33.4	48.0
Tree Nuts	9.4	3.0	9.0
Citrus Fruits	4.4	4.1	4.5
Deciduous Tree Fruit	13.8	14.4	20.6
Other Fruits & Nuts	10.8	15.8	10.5
Total Horticultural Specialties	34.7	36.8	37.3
Ornamental Floral & Nursery	31.6	34.2	33.5
Food Crops Grown Under Cover	3.1	2.6	3.8
General Farm Primarily Crop	25.3	30.6	31.1
<b>Agricultural Production/Livestock</b>	<b>29.4</b>	<b>22.4</b>	<b>28.8</b>
Beef Cattle Feed Lots	0.7	0.2	0.8
Beef Cattle Except Feed Lots	3.0	0.4	3.4
Dairy Farms	14.3	14.5	16.4
Chicken Eggs	2.3	2.0	2.4
Turkey & Turkey Eggs	0.7	0.3	0.9
Other Livestock	8.4	5.0	4.9
<b>Total Agricultural Services</b>	<b>212.4</b>	<b>223.7</b>	<b>216.6</b>
Soil Preparation Services	1.6	3.0	1.5
Crop Services	44.8	51.9	55.5
Plant Cultivate & Protection	4.9	4.8	6.8
Harvest Primarily by Machine	4.2	5.6	7.8
Preparation Services for Market	35.0	40.6	40.3
Cotton Ginning	0.7	0.9	0.6
Total Farm Labor & Management	166.0	168.8	159.6
Farm Labor Contractors	155.0	153.3	148.3
Farm Management Services	11.0	15.5	11.3

Industry	Aug 2001	Jul 2001	Aug 2000
<b>Total Agriculture</b>	<b>8.25</b>	<b>8.30</b>	<b>8.11</b>
<b>Total Agricultural Production/Crops</b>	<b>8.11</b>	<b>8.25</b>	<b>7.98</b>
Cash Grains	8.31	8.34	8.11
Rice	8.45	8.54	8.30
Other Cash Grains	8.16	8.14	7.91
Field Crops Except Grains	8.05	8.33	8.00
Cotton	7.95	8.51	8.00
Other Field Crops	8.16	8.14	8.01
Vegetables and Melons	8.08	8.25	7.94
Total Fruits and Tree Nuts	7.90	8.09	7.91
Berries	7.64	7.90	7.92
Grapes	7.96	8.27	7.89
Tree Nuts	7.90	7.78	8.01
Citrus Fruits	7.91	7.86	7.70
Deciduous Tree Fruit	7.73	8.24	7.74
Other Fruits & Nuts	8.28	8.50	8.19
Total Horticultural Specialties	8.25	8.20	8.04
Ornamental Floral & Nursery	8.29	8.25	7.98
Food Crops Grown Under Cover	8.22	8.15	8.11
General Farm Primarily Crop	8.06	8.30	7.88
<b>Agricultural Production/Livestock</b>	<b>8.07</b>	<b>8.08</b>	<b>7.95</b>
Beef Cattle Feed Lots	8.06	8.17	8.34
Beef Cattle Except Feed Lots	8.24	8.31	8.30
Dairy Farms	8.60	8.50	8.29
Chicken Eggs	7.47	7.20	7.02
Turkey & Turkey Eggs	7.83	7.97	7.80
Other Livestock	8.23	8.33	7.98
<b>Total Agricultural Services</b>	<b>8.56</b>	<b>8.57</b>	<b>8.39</b>
Soil Preparation Services	8.78	8.71	8.55
Crop Services	8.68	8.81	8.63
Plant Cultivate & Protection	8.59	8.63	8.43
Harvest Primarily by Machine	8.45	8.91	8.51
Preparation Services for Market	8.08	8.17	8.12
Cotton Ginning	9.61	9.52	9.46
Total Farm Labor & Management	8.23	8.20	7.99
Farm Labor Contractors	8.00	7.97	7.77
Farm Management Services	8.47	8.44	8.21

# CENTRAL COAST AGRICULTURAL EMPLOYMENT

## Wage and Salary Workers (In Thousands)

Industry	Aug 2001	Jul 2001	Aug 2000
<b>Total Agriculture</b>	<b>76.6</b>	<b>75.4</b>	<b>73.1</b>
<b>Total Agricultural Production/Crops</b>	<b>50.1</b>	<b>44.4</b>	<b>43.4</b>
Cash Grains	0.0	0.0	0.0
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.0
Field Crops Except Grains	6.9	4.7	0.2
Cotton	0.0	0.0	0.0
Other Field Crops	6.9	4.7	0.2
Vegetables and Melons	17.4	15.6	16.7
Total Fruits and Tree Nuts	14.5	11.3	13.4
Berries	12.1	8.8	11.5
Grapes	1.2	0.7	1.1
Tree Nuts	0.2	0.0	0.2
Citrus Fruits	0.0	0.0	0.0
Deciduous Tree Fruit	0.8	0.0	0.4
Other Fruits & Nuts	0.2	1.8	0.2
Total Horticultural Specialties	9.7	7.4	9.8
Ornamental Floral & Nursery	7.6	5.9	7.6
Food Crops Grown Under Cover	2.1	1.5	2.2
General Farm Primarily Crop	1.6	5.4	3.3
<b>Agricultural Production/Livestock</b>	<b>0.2</b>	<b>0.4</b>	<b>1.0</b>
Beef Cattle Feed Lots	0.0	0.0	0.0
Beef Cattle Except Feed Lots	0.0	0.0	0.3
Dairy Farms	0.0	0.0	0.1
Chicken Eggs	0.0	0.0	0.1
Turkey & Turkey Eggs	0.0	0.0	0.1
Other Livestock	0.2	0.4	0.4
<b>Total Agricultural Services</b>	<b>26.3</b>	<b>30.6</b>	<b>28.7</b>
Soil Preparation Services	0.3	0.4	0.3
Crop Services	9.1	13.7	10.1
Plant Cultivate & Protection	0.2	0.1	0.8
Harvest Primarily by Machine	1.2	3.5	2.2
Preparation Services for Market	7.7	10.1	7.1
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	16.9	16.5	18.3
Farm Labor Contractors	15.5	15.0	17.0
Farm Management Services	1.4	1.5	1.3

na = not available

## Average Hourly Earnings (In dollars per hour)

Industry	Aug 2001	Jul 2001	Aug 2000
<b>Total Agriculture</b>	<b>8.30</b>	<b>8.54</b>	<b>8.13</b>
<b>Total Agricultural Production/Crops</b>	<b>8.30</b>	<b>8.46</b>	<b>8.15</b>
Cash Grains	na	na	na
Rice	na	na	na
Other Cash Grains	na	na	na
Field Crops Except Grains	8.27	8.48	8.00
Cotton	na	na	na
Other Field Crops	8.27	8.48	8.00
Vegetables and Melons	8.36	8.68	8.04
Total Fruits and Tree Nuts	8.32	8.45	8.39
Berries	8.24	8.28	8.52
Grapes	8.16	8.26	7.76
Tree Nuts	8.51	na	8.75
Citrus Fruits	na	na	na
Deciduous Tree Fruit	8.17	na	8.15
Other Fruits & Nuts	8.52	8.80	8.78
Total Horticultural Specialties	8.48	8.53	8.30
Ornamental Floral & Nursery	8.60	8.58	8.27
Food Crops Grown Under Cover	8.36	8.47	8.32
General Farm Primarily Crop	8.05	8.16	8.00
<b>Agricultural Production/Livestock</b>	<b>7.99</b>	<b>8.49</b>	<b>7.86</b>
Beef Cattle Feed Lots	na	na	na
Beef Cattle Except Feed Lots	na	na	8.28
Dairy Farms	na	na	8.29
Chicken Eggs	na	na	7.00
Turkey & Turkey Eggs	na	na	7.77
Other Livestock	7.99	8.49	7.96
<b>Total Agricultural Services</b>	<b>8.61</b>	<b>8.68</b>	<b>8.38</b>
Soil Preparation Services	9.09	9.09	8.25
Crop Services	8.42	8.64	8.60
Plant Cultivate & Protection	8.41	8.35	8.10
Harvest Primarily by Machine	8.44	9.08	9.07
Preparation Services for Market	8.40	8.48	8.64
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.33	8.31	8.29
Farm Labor Contractors	8.02	8.08	7.90
Farm Management Services	8.63	8.53	8.68

# DESERT AGRICULTURAL EMPLOYMENT

## Wage and Salary Workers (In Thousands)

Industry	Aug 2001	Jul 2001	Aug 2000
<b>Total Agriculture</b>	<b>24.4</b>	<b>27.3</b>	<b>27.9</b>
<b>Total Agricultural Production/Crops</b>	<b>8.5</b>	<b>7.9</b>	<b>9.4</b>
Cash Grains	0.0	0.0	0.1
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.1
Field Crops Except Grains	2.0	0.9	1.5
Cotton	0.0	0.1	0.1
Other Field Crops	2.0	0.8	1.4
Vegetables and Melons	1.7	2.2	2.0
Total Fruits and Tree Nuts	2.4	3.7	2.6
Berries	0.1	0.0	0.1
Grapes	0.7	0.6	0.6
Tree Nuts	0.1	0.0	0.2
Citrus Fruits	0.5	1.3	0.5
Deciduous Tree Fruit	0.1	0.0	0.1
Other Fruits & Nuts	0.9	1.8	1.1
Total Horticultural Specialties	1.2	0.7	1.5
Ornamental Floral & Nursery	1.2	0.7	1.4
Food Crops Grown Under Cover	0.0	0.0	0.1
General Farm Primarily Crop	1.2	0.4	1.7
<b>Agricultural Production/Livestock</b>	<b>6.7</b>	<b>5.1</b>	<b>5.4</b>
Beef Cattle Feed Lots	0.4	0.0	0.2
Beef Cattle Except Feed Lots	0.5	0.0	0.6
Dairy Farms	2.7	2.9	2.8
Chicken Eggs	1.2	1.2	1.2
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	1.9	1.0	0.6
<b>Total Agricultural Services</b>	<b>9.2</b>	<b>14.3</b>	<b>13.1</b>
Soil Preparation Services	0.0	0.0	0.2
Crop Services	1.8	3.8	3.3
Plant Cultivate & Protection	0.4	0.4	0.4
Harvest Primarily by Machine	0.3	0.5	1.0
Preparation Services for Market	1.0	2.8	1.8
Cotton Ginning	0.1	0.1	0.1
Total Farm Labor & Management	7.4	10.5	9.6
Farm Labor Contractors	7.2	10.2	8.8
Farm Management Services	0.2	0.3	0.8

na = not available

## Average Hourly Earnings (In dollars per hour)

Industry	Aug 2001	Jul 2001	Aug 2000
<b>Total Agriculture</b>	<b>8.07</b>	<b>8.17</b>	<b>8.01</b>
<b>Total Agricultural Production/Crops</b>	<b>7.90</b>	<b>8.17</b>	<b>7.81</b>
Cash Grains	na	na	7.77
Rice	na	na	na
Other Cash Grains	na	na	7.77
Field Crops Except Grains	8.14	8.84	8.02
Cotton	na	9.61	8.33
Other Field Crops	8.14	8.07	7.70
Vegetables and Melons	7.76	7.87	7.78
Total Fruits and Tree Nuts	7.70	8.03	7.87
Berries	7.74	na	8.21
Grapes	7.51	7.86	7.93
Tree Nuts	7.29	na	7.38
Citrus Fruits	7.97	7.61	7.50
Deciduous Tree Fruit	7.25	na	7.74
Other Fruits & Nuts	8.41	8.61	8.43
Total Horticultural Specialties	7.95	7.84	7.98
Ornamental Floral & Nursery	7.95	7.84	7.81
Food Crops Grown Under Cover	na	na	8.14
General Farm Primarily Crop	7.94	8.26	7.45
<b>Agricultural Production/Livestock</b>	<b>7.96</b>	<b>7.86</b>	<b>7.89</b>
Beef Cattle Feed Lots	8.11	na	7.80
Beef Cattle Except Feed Lots	7.96	na	8.27
Dairy Farms	8.59	8.50	8.24
Chicken Eggs	7.13	7.13	7.14
Turkey & Turkey Eggs	na	na	na
Other Livestock	8.02	7.94	8.02
<b>Total Agricultural Services</b>	<b>8.36</b>	<b>8.47</b>	<b>8.31</b>
Soil Preparation Services	na	na	8.49
Crop Services	8.57	8.77	8.32
Plant Cultivate & Protection	8.36	8.47	8.27
Harvest Primarily by Machine	8.66	9.55	8.15
Preparation Services for Market	7.83	7.83	7.81
Cotton Ginning	9.42	9.23	9.05
Total Farm Labor & Management	8.16	8.18	8.13
Farm Labor Contractors	7.89	7.92	8.26
Farm Management Services	8.43	8.43	8.00

# NORTH COAST AGRICULTURAL EMPLOYMENT

## Wage and Salary Workers (In Thousands)

Industry	Aug 2001	Jul 2001	Aug 2000
<b>Total Agriculture</b>	<b>20.7</b>	<b>19.7</b>	<b>19.7</b>
<b>Total Agricultural Production/Crops</b>	<b>15.5</b>	<b>12.8</b>	<b>13.4</b>
Cash Grains	0.0	0.0	0.0
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.0
Field Crops Except Grains	0.0	0.0	0.1
Cotton	0.0	0.0	0.0
Other Field Crops	0.0	0.0	0.1
Vegetables and Melons	0.4	0.3	0.4
Total Fruits and Tree Nuts	10.8	8.8	10.9
Berries	0.0	0.0	0.0
Grapes	8.1	6.4	8.9
Tree Nuts	0.1	0.0	0.1
Citrus Fruits	0.0	0.0	0.0
Deciduous Tree Fruit	2.3	1.6	1.7
Other Fruits & Nuts	0.3	0.8	0.2
Total Horticultural Specialties	1.1	1.4	1.6
Ornamental Floral & Nursery	1.1	1.4	1.4
Food Crops Grown Under Cover	0.0	0.0	0.2
General Farm Primarily Crop	3.2	2.3	0.4
<b>Agricultural Production/Livestock</b>	<b>1.0</b>	<b>1.5</b>	<b>1.9</b>
Beef Cattle Feed Lots	0.0	0.0	0.1
Beef Cattle Except Feed Lots	0.2	0.1	0.2
Dairy Farms	0.1	1.0	1.0
Chicken Eggs	0.1	0.0	0.1
Turkey & Turkey Eggs	0.0	0.0	0.1
Other Livestock	0.6	0.4	0.4
<b>Total Agricultural Services</b>	<b>4.2</b>	<b>5.4</b>	<b>4.4</b>
Soil Preparation Services	0.1	0.1	0.1
Crop Services	0.0	0.0	1.1
Plant Cultivate & Protection	0.0	0.0	0.2
Harvest Primarily by Machine	0.0	0.0	0.0
Preparation Services for Market	0.0	0.0	0.9
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	4.1	5.3	3.2
Farm Labor Contractors	0.6	0.7	1.0
Farm Management Services	3.5	4.6	2.2

na = not available

## Average Hourly Earnings (In dollars per hour)

Industry	Aug 2001	Jul 2001	Aug 2000
<b>Total Agriculture</b>	<b>8.39</b>	<b>8.49</b>	<b>8.27</b>
<b>Total Agricultural Production/Crops</b>	<b>8.41</b>	<b>8.58</b>	<b>8.34</b>
Cash Grains	na	na	na
Rice	na	na	na
Other Cash Grains	na	na	na
Field Crops Except Grains	na	na	8.18
Cotton	na	na	na
Other Field Crops	na	na	8.18
Vegetables and Melons	8.38	8.64	8.47
Total Fruits and Tree Nuts	8.46	8.78	8.51
Berries	na	na	na
Grapes	8.59	8.76	8.79
Tree Nuts	8.28	na	8.55
Citrus Fruits	na	na	na
Deciduous Tree Fruit	8.33	8.87	8.49
Other Fruits & Nuts	8.62	8.71	8.21
Total Horticultural Specialties	8.64	8.48	8.53
Ornamental Floral & Nursery	8.64	8.48	8.60
Food Crops Grown Under Cover	na	na	8.45
General Farm Primarily Crop	8.16	8.43	8.00
<b>Agricultural Production/Livestock</b>	<b>8.24</b>	<b>8.17</b>	<b>7.93</b>
Beef Cattle Feed Lots	na	na	8.34
Beef Cattle Except Feed Lots	8.03	8.00	8.28
Dairy Farms	8.34	8.18	8.38
Chicken Eggs	8.10	na	7.14
Turkey & Turkey Eggs	na	na	7.81
Other Livestock	8.47	8.34	7.62
<b>Total Agricultural Services</b>	<b>8.52</b>	<b>8.73</b>	<b>8.55</b>
Soil Preparation Services	8.54	8.92	8.71
Crop Services	na	na	8.58
Plant Cultivate & Protection	na	na	8.51
Harvest Primarily by Machine	na	na	na
Preparation Services for Market	na	na	8.64
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.50	8.53	8.37
Farm Labor Contractors	8.31	8.15	7.92
Farm Management Services	8.68	8.91	8.82

# SOUTH COAST AGRICULTURAL EMPLOYMENT

Wage and Salary Workers  
(In Thousands)

Industry	Aug 2001	Jul 2001	Aug 2000
<b>Total Agriculture</b>	<b>65.1</b>	<b>69.8</b>	<b>64.1</b>
<b>Total Agricultural Production/Crops</b>	<b>42.0</b>	<b>48.5</b>	<b>43.8</b>
Cash Grains	0.4	0.3	0.1
Rice	0.0	0.0	0.0
Other Cash Grains	0.4	0.3	0.1
Field Crops Except Grains	2.8	2.3	0.3
Cotton	0.1	0.0	0.0
Other Field Crops	2.8	2.3	0.3
Vegetables and Melons	8.7	9.6	10.2
Total Fruits and Tree Nuts	11.1	16.0	10.8
Berries	5.6	7.5	5.2
Grapes	1.8	0.3	2.1
Tree Nuts	0.1	0.3	0.1
Citrus Fruits	1.8	1.9	1.6
Deciduous Tree Fruit	0.2	0.0	0.2
Other Fruits & Nuts	1.6	6.0	1.6
Total Horticultural Specialties	16.6	17.9	18.3
Ornamental Floral & Nursery	15.8	17.2	17.4
Food Crops Grown Under Cover	0.8	0.7	0.9
General Farm Primarily Crop	2.4	2.4	4.1
<b>Agricultural Production/Livestock</b>	<b>1.5</b>	<b>1.2</b>	<b>2.1</b>
Beef Cattle Feed Lots	0.0	0.0	0.0
Beef Cattle Except Feed Lots	0.3	0.0	0.3
Dairy Farms	0.2	0.0	0.2
Chicken Eggs	0.4	0.2	0.4
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	0.6	1.0	1.2
<b>Total Agricultural Services</b>	<b>21.6</b>	<b>20.1</b>	<b>18.2</b>
Soil Preparation Services	0.0	0.3	0.2
Crop Services	2.0	2.5	3.5
Plant Cultivate & Protection	1.0	1.6	0.6
Harvest Primarily by Machine	0.0	0.0	0.7
Preparation Services for Market	1.0	0.9	2.2
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	19.6	17.3	14.5
Farm Labor Contractors	17.9	15.0	13.2
Farm Management Services	1.7	2.3	1.3

na = not available

Average Hourly Earnings  
(In dollars per hour)

Industry	Aug 2001	Jul 2001	Aug 2000
<b>Total Agriculture</b>	<b>8.24</b>	<b>8.13</b>	<b>8.12</b>
<b>Total Agricultural Production/Crops</b>	<b>8.21</b>	<b>8.27</b>	<b>8.14</b>
Cash Grains	8.57	8.50	8.34
Rice	na	na	na
Other Cash Grains	8.57	8.50	8.34
Field Crops Except Grains	8.18	8.29	8.18
Cotton	8.10	na	na
Other Field Crops	8.26	8.29	8.18
Vegetables and Melons	7.98	8.11	7.93
Total Fruits and Tree Nuts	7.85	8.01	7.86
Berries	7.31	7.51	7.90
Grapes	7.96	8.17	7.87
Tree Nuts	7.59	7.60	7.50
Citrus Fruits	8.24	8.39	8.10
Deciduous Tree Fruit	7.39	na	7.48
Other Fruits & Nuts	8.61	8.40	8.28
Total Horticultural Specialties	8.20	8.17	8.11
Ornamental Floral & Nursery	8.15	8.27	7.75
Food Crops Grown Under Cover	8.24	8.06	8.47
General Farm Primarily Crop	8.49	8.57	8.40
<b>Agricultural Production/Livestock</b>	<b>8.24</b>	<b>7.69</b>	<b>7.97</b>
Beef Cattle Feed Lots	na	na	na
Beef Cattle Except Feed Lots	8.65	na	8.48
Dairy Farms	8.63	na	8.32
Chicken Eggs	7.42	7.09	7.00
Turkey & Turkey Eggs	na	na	na
Other Livestock	8.25	8.28	8.06
<b>Total Agricultural Services</b>	<b>8.27</b>	<b>8.42</b>	<b>8.25</b>
Soil Preparation Services	na	8.60	8.71
Crop Services	8.42	8.48	8.29
Plant Cultivate & Protection	8.81	8.80	8.63
Harvest Primarily by Machine	na	na	8.51
Preparation Services for Market	8.02	8.15	7.73
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.12	8.18	7.74
Farm Labor Contractors	7.90	8.05	7.84
Farm Management Services	8.34	8.30	7.64



# SAN JOAQUIN VALLEY EMPLOYMENT

## Wage and Salary Workers (In Thousands)

Industry	Aug 2001	Jul 2001	Aug 2000
<b>Total Agriculture</b>	<b>254.9</b>	<b>241.5</b>	<b>255.7</b>
<b>Total Agricultural Production/Crops</b>	<b>91.6</b>	<b>85.5</b>	<b>97.1</b>
Cash Grains	0.3	0.5	0.5
Rice	0.0	0.3	0.1
Other Cash Grains	0.3	0.2	0.4
Field Crops Except Grains	14.1	10.5	8.9
Cotton	7.5	8.1	6.3
Other Field Crops	6.6	2.4	2.6
Vegetables and Melons	8.4	12.1	6.6
Total Fruits and Tree Nuts	51.7	39.3	60.3
Berries	0.1	0.0	0.1
Grapes	35.0	25.3	34.3
Tree Nuts	5.9	1.7	5.6
Citrus Fruits	2.1	0.9	2.4
Deciduous Tree Fruit	2.4	6.8	12.1
Other Fruits & Nuts	6.2	4.6	5.8
Total Horticultural Specialties	3.8	7.6	3.9
Ornamental Floral & Nursery	3.6	7.2	3.7
Food Crops Grown Under Cover	0.2	0.4	0.2
General Farm Primarily Crop	13.3	15.5	16.9
<b>Agricultural Production/Livestock</b>	<b>17.9</b>	<b>12.8</b>	<b>16.8</b>
Beef Cattle Feed Lots	0.3	0.2	0.4
Beef Cattle Except Feed Lots	1.3	0.3	1.5
Dairy Farms	10.5	10.6	11.8
Chicken Eggs	0.6	0.6	0.6
Turkey & Turkey Eggs	0.7	0.3	0.7
Other Livestock	4.5	0.8	1.8
<b>Total Agricultural Services</b>	<b>145.4</b>	<b>143.2</b>	<b>141.8</b>
Soil Preparation Services	1.2	2.2	0.6
Crop Services	29.2	29.1	34.3
Plant Cultivate & Protection	2.8	2.3	4.2
Harvest Primarily by Machine	2.4	1.3	3.3
Preparation Services for Market	23.4	24.7	26.3
Cotton Ginning	0.6	0.8	0.5
Total Farm Labor & Management	115.0	111.9	106.9
Farm Labor Contractors	110.8	105.1	101.7
Farm Management Services	4.2	6.8	5.2

## Average Hourly Earnings (In dollars per hour)

Industry	Aug 2001	Jul 2001	Aug 2000
<b>Total Agriculture</b>	<b>8.16</b>	<b>8.18</b>	<b>8.00</b>
<b>Total Agricultural Production/Crops</b>	<b>7.89</b>	<b>8.02</b>	<b>7.69</b>
Cash Grains	7.83	8.00	7.79
Rice	na	8.27	8.13
Other Cash Grains	7.83	7.72	7.44
Field Crops Except Grains	7.96	7.66	7.78
Cotton	7.79	7.41	7.66
Other Field Crops	8.12	7.90	7.90
Vegetables and Melons	8.06	8.46	7.66
Total Fruits and Tree Nuts	7.58	7.86	7.41
Berries	7.28	na	7.25
Grapes	7.66	8.07	7.32
Tree Nuts	7.97	7.86	7.84
Citrus Fruits	7.53	7.58	7.49
Deciduous Tree Fruit	7.37	7.70	7.15
Other Fruits & Nuts	7.65	8.10	7.42
Total Horticultural Specialties	8.07	7.88	7.72
Ornamental Floral & Nursery	8.09	7.84	7.80
Food Crops Grown Under Cover	8.05	7.92	7.63
General Farm Primarily Crop	7.86	8.25	7.78
<b>Agricultural Production/Livestock</b>	<b>8.12</b>	<b>8.25</b>	<b>8.03</b>
Beef Cattle Feed Lots	8.00	8.17	8.04
Beef Cattle Except Feed Lots	8.22	8.61	8.54
Dairy Farms	8.78	8.83	8.53
Chicken Eggs	7.24	7.39	6.80
Turkey & Turkey Eggs	7.83	7.97	7.81
Other Livestock	8.63	8.53	8.48
<b>Total Agricultural Services</b>	<b>8.47</b>	<b>8.29</b>	<b>8.28</b>
Soil Preparation Services	8.71	8.24	8.50
Crop Services	8.69	8.75	8.65
Plant Cultivate & Protection	8.76	8.68	8.64
Harvest Primarily by Machine	8.24	8.43	8.53
Preparation Services for Market	7.94	8.08	7.55
Cotton Ginning	9.80	9.81	9.87
Total Farm Labor & Management	8.03	7.87	7.69
Farm Labor Contractors	7.79	7.73	7.36
Farm Management Services	8.26	8.01	8.02

na = not available

# SACRAMENTO VALLEY AGRICULTURAL EMPLOYMENT

## Wage and Salary Workers (In Thousands)

Industry	Aug 2001	Jul 2001	Aug 2000
<b>Total Agriculture</b>	<b>33.9</b>	<b>32.9</b>	<b>35.6</b>
<b>Total Agricultural Production/Crops</b>	<b>26.1</b>	<b>21.4</b>	<b>23.6</b>
Cash Grains	2.1	2.8	1.7
Rice	1.4	2.0	1.3
Other Cash Grains	0.7	0.8	0.4
Field Crops Except Grains	0.5	0.4	0.9
Cotton	0.0	0.0	0.0
Other Field Crops	0.5	0.4	0.9
Vegetables and Melons	3.8	3.9	2.7
Total Fruits and Tree Nuts	13.8	7.9	11.6
Berries	0.0	0.0	0.1
Grapes	1.2	0.1	1.0
Tree Nuts	3.0	1.0	2.8
Citrus Fruits	0.0	0.0	0.0
Deciduous Tree Fruit	8.0	6.0	6.1
Other Fruits & Nuts	1.6	0.8	1.6
Total Horticultural Specialties	2.3	1.8	2.0
Ornamental Floral & Nursery	2.3	1.8	2.0
Food Crops Grown Under Cover	0.0	0.0	0.2
General Farm Primarily Crop	3.6	4.6	4.7
<b>Agricultural Production/Livestock</b>	<b>2.1</b>	<b>1.4</b>	<b>1.6</b>
Beef Cattle Feed Lots	0.0	0.0	0.1
Beef Cattle Except Feed Lots	0.7	0.0	0.5
Dairy Farms	0.8	0.0	0.5
Chicken Eggs	0.0	0.0	0.0
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	0.6	1.4	0.5
<b>Total Agricultural Services</b>	<b>5.7</b>	<b>10.1</b>	<b>10.4</b>
Soil Preparation Services	0.0	0.0	0.1
Crop Services	2.7	2.8	3.2
Plant Cultivate & Protection	0.5	0.4	0.6
Harvest Primarily by Machine	0.3	0.3	0.6
Preparation Services for Market	1.9	2.1	2.0
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	3.0	7.3	7.1
Farm Labor Contractors	3.0	7.3	6.6
Farm Management Services	0.0	0.0	0.5

na = not available

## Average Hourly Earnings (In dollars per hour)

Industry	Aug 2001	Jul 2001	Aug 2000
<b>Total Agriculture</b>	<b>8.21</b>	<b>8.25</b>	<b>8.10</b>
<b>Total Agricultural Production/Crops</b>	<b>8.03</b>	<b>8.17</b>	<b>7.86</b>
Cash Grains	8.27	8.50	8.28
Rice	8.45	8.81	8.47
Other Cash Grains	8.08	8.19	8.09
Field Crops Except Grains	8.00	7.96	8.09
Cotton	na	na	na
Other Field Crops	8.00	7.96	8.09
Vegetables and Melons	7.96	7.73	7.75
Total Fruits and Tree Nuts	7.85	8.22	7.77
Berries	na	na	7.70
Grapes	7.88	8.50	7.68
Tree Nuts	7.75	7.88	8.01
Citrus Fruits	na	na	na
Deciduous Tree Fruit	7.86	8.14	7.43
Other Fruits & Nuts	7.89	8.35	8.04
Total Horticultural Specialties	8.30	8.51	7.65
Ornamental Floral & Nursery	8.30	8.51	7.64
Food Crops Grown Under Cover	na	na	7.65
General Farm Primarily Crop	7.83	8.13	7.63
<b>Agricultural Production/Livestock</b>	<b>8.35</b>	<b>8.37</b>	<b>8.21</b>
Beef Cattle Feed Lots	na	na	9.19
Beef Cattle Except Feed Lots	8.36	na	7.93
Dairy Farms	8.67	na	8.00
Chicken Eggs	na	na	na
Turkey & Turkey Eggs	na	na	na
Other Livestock	8.01	8.37	7.73
<b>Total Agricultural Services</b>	<b>8.24</b>	<b>8.22</b>	<b>8.22</b>
Soil Preparation Services	na	na	8.61
Crop Services	8.42	8.57	8.35
Plant Cultivate & Protection	8.59	8.85	8.41
Harvest Primarily by Machine	8.46	8.57	8.28
Preparation Services for Market	8.21	8.29	8.35
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.06	7.87	7.71
Farm Labor Contractors	8.06	7.87	7.34
Farm Management Services	na	na	8.07

## DATA NOTES

### Data Sources:

These data are obtained from two sources: the Employment Development Department (EDD) Covered Employment and Wages (ES-202) data files and a monthly survey conducted by the California Agricultural Statistical Service (CASS) of the U.S. Department of Agriculture (USDA) and the Labor Market Information Division of EDD of 4,200 agricultural employers. The sample was selected to be representative of the state's agricultural employers by size, geographic location, and industry categories. Sample data are gathered for the survey week that includes the 12<sup>th</sup> calendar day of the month. All data in this bulletin represent activities taking place during this mid-month period. Same month prior year employment data are benchmarked to the ES-202 data files maintained by EDD.

### Data Comments:

To aid in accurate usage and interpretation of the data, please note the following:

- **Agricultural Services employment survey data may be recalculated; historical trend information is used to adjust sample data when low response rates occur.**
- Regional data may show greater variability than statewide data because of small sample size and variable reporting patterns in specific industries.
- Current month regional estimates are based on the recorded addresses of owner-operators. Same month prior year regional data are based on worksite locations. Significant differences between regional current month and same month prior year data could result, although statewide totals might be comparable.
- Where data cannot be estimated because of inadequate sample reporting, the letters "na" have been entered into the field to indicate estimates are not available.
- Wage data include wages of supervisors and hired non-production workers (primarily administrative personnel). Piece rate data are also included where applicable.
- Fishing, forestry, and hunting industry data are not included in the Agricultural Services estimates. Unique seasonal industry patterns of employment make producing employment estimates for these industries problematic.
- Employment data do not include employers of unpaid family workers.
- Agricultural workers who are employed by farm labor contractors are reported in Agricultural Services under that industry category. Employment levels in Crop Production and Livestock Production do not reflect their activities in the associated industries that contract with the farm labor contractors.

Total agricultural employment and hourly earnings estimates in this bulletin are derived from the monthly Current Employment Statistics for Agriculture project. Estimates in this bulletin will differ from other agricultural estimates published by EDD and the USDA because of differences in the number of industries covered and in the definition of agricultural workers.

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